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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,793	02/24/2004	Ji-Sung Park	IK-0075	2184
34610 7590 04/10/2007 KED & ASSOCIATES, LLP P.O. Box 221200 Chantilly, VA 20153-1200			EXAMINER WILLIAMS, MARK A	
			ART UNIT	PAPER NUMBER
			3676	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/784,793	Applicant(s) PARK ET AL	
	Examiner Mark A. Williams	Art Unit 3676	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 12 January 2007.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 and 15-27 is/are pending in the application.
4a) Of the above claim(s) 27 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-13 is/are allowed.
- 6) ☐ Claim(s) 15-17, 20, 21, 23 and 24 is/are rejected.
- 7) ☐ Claim(s) 18, 19, 22, 25 and 26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 15-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Japanese Patent JP 11-182528. A swivel hinge comprising a first hinge section (not shown but inherent to the intended design of the device, as conventional in the art) configured to rotate about a first hinge shaft 1; a second hinge section (not shown but inherent to the intended design of the device, as conventional in the art) coupled to the first hinge section and configured to rotate about a second hinge shaft 2, wherein the second hinge shaft extends in a direction perpendicular to the first hinge shaft; and a stopper engagement section (4, 5) and stopper (7, 8) respectively provided at one of the hinge sections to rotate together with the second hinge shaft and the first hinge section, wherein the stopper prevents rotation of the second hinge second, but allows the second hinge section to freely rotate after the first hinge section has rotated by a predetermined angle around the first hinge

shaft. The stopper engagement section has an elongated plate shape with a length greater than a width and surfaces of sides of the stopper engagement section along the length contact the stopper to prevent rotation of the second hinge section when the first hinge section has not rotated by the predetermined angle, as claimed. The stopper has a guide surface for allowing the stopper engagement section to rotate, and the guide surface of the stopper has a height allowing lower portions of the surfaces of the stopper engagement section along the length to pass beyond the guide surface when the first hinge section rotates by a predetermined angle.

3. Claims 20, 21, 23, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kfoury in view of Japanese Patent JP 11-182528 ('528). Kfoury provides a portable terminal with folder section and first and second hinge sections as claimed. Kfoury does not provide a stopper and stopper engagement section and being oriented as claimed. Japanese Patent '528 provides the claimed stopper and stopper engagement structure (see above 102 rejection). Note that the guide surface of the stopper has a horizontal surface 4 and inclined surface near 5, meeting the claimed limitations. It would have been obvious to have modified the device of Kfoury to includes such structure for the purpose of providing means for controlling the sequence of the rotation of the hinge members during use.

Allowable Subject Matter

4. Claims 1-13 are allowed.
5. Claim 18, 19, 22, 25, and 26 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Response to Arguments

6. Applicant's arguments with respect to the claims of record have been considered but are not persuasive.

Applicant argues that the claimed stopper engagement section and stopper arrangement is not taught by the applied art. However, applicant has amended the claims such that merely a reverse labeling of components meets the claimed invention (see above 102 rejection). It is clear that elements (7, 8) act as stoppers to prevent rotation of element 3 (thereby shaft 2) until shaft 1 has rotated a predetermined angle. The applied art is still applicable as outlined in the above rejection.

Conclusion


7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark A. Williams whose telephone number is (571) 272-7064. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on (571) 272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark Williams
3/27/07 



BRIAN E. GLESSNER
SUPERVISORY PATENT EXAMINER